IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

To Be Assigned

Confirmation No.: TBA

Applicant(s): Filed:

COSTA, Lorenzo et al. Concurrent Herewith

TC/A.U.

To Be Assigned

Examiner:

To Be Assigned

Title:

Sol-Gel Process for the Manufacture of Nanocomposite Photoluminescent

Materials and Materials Thus Produced

Docket No.:

033965.0021

Customer No.:

25461

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. 1.56, Applicants are enclosing an Information Disclosure Statement by Applicant (Form PTO/SB/08a) and copies of the documents cited therein. The relevance of the cited documents is indicated in the parent application, U.S. Patent Application No. 09/985,642 filed November 5, 2001.

It is respectfully requested that the cited documents be considered by the Examiner in the aboveidentified patent application and that the cited documents be made officially of record therein. It is further requested that a listing of the same appear on the face of any patent which may issue from this application.

A first Official Action has not yet issued for this application. Therefore, it is believed that no fees are due under 37 C.F.R. Section 1.97(b)(3).

Respectfully submitted,

By: Robert G. Weilacher, Reg. No. 20,531

Dated: November <u>/4</u>, 2003

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	Substitute	for form 1449A/PTC)		Complete if Known		
	·,				Application Number	To Be Assigned	
INFORMATION DISCLOSURE					Filing Date	Concurrent Herewith	
	STATEMENT BY APPLICANT				First Named Inventor	COSTA, Lorenzo et al.	
					Art Unit	To Be Assigned	
		(Use as many she	ets as	necessary)	Examiner Name	To Be Assigned	
	Sheet	1	of	2	Attorney Docket Number	033965.0021	

F	Cite No.1	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear	
Examiner Initials *		Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document		
		US- 5,858,280	01-12-1999	ZHANG ET AL.	pages 1-7	
		US- 4,317,668	03-02-1982	SUSA ET AL.	pages 1-11	
		US- 4,426,216	01-17-1984	SATOH ET AL.	pages 1-7	
		US- 4,432,956	02-21-1984	ZARZYCKI ET AL.	pages 1-9	
		US- 4,806,328	02-21-1989	VAN LIEROP ET AL.	pages 1-5	
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		FOREIGN PA	TENT DOCU	MENTS		
Examiner	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)				T ⁶
		WO 00/14013	03-16-2000	GEL DESIGN AND ENGINEERING SRL	28 pages	
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Examiner Signature	Date Considered	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet

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of

		NON PATENT LITERATURE DOCUMENTS	1
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		MAEDA, Y., "Preparation of Nanometer-Size Crystalline Ge by Chemical Sol-Gel Method and Its Visible Photoluminescence," Japanese Journal of Applied Physics, 1994, pps. 254-256, vol. 34, no. 34-1, suppl, XP000527446, ISSN: 0021-4922, Publication Office Japanese Journal of Applied Physics, Tokyo, Japan (3 pages)	
		GARCIA, M. A. ET AL., "Characteristic UV luminescence from sol-gel silica coatings," Materials Letters, March 2000, pps. 23-26, vol. 43, no. 1-2, XP004256374, ISSN: 0167-577X, North Holland Publishing Company, Amsterdam, NL (4 pages)	
		FUJITA, S. ET AL., "Visible light-emitting devices with Schottky contacts on an ultrathin amorphous silicon layer containing silicon nanocrystals," Applied Physics Letters, January 11, 1999, pps. 308-310, vol. 74, no. 2, XP000804879, ISSN:0003-6951, American Institute of Physics, New York, US (3 pages)	
		MUTTI, P. ET AL., "Room-temperature visible luminescence from silicon nanocrystals in silicon implanted SiO ₂ layers," Applied Physics Letters, February 13, 1995, vol. 66, no. 7, pps. 851-853, XP000489875, ISSN: 0003-6951, American Institute of Physics, New York, US (3 pages)	
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Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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